Qty:

: BRACKET ASSEMBLY

: D3183043

: N/A

: C1

: 1112

: 5/5/2007

D3183 REV C1

Thursday, 4/12/2007 8:46:09 AM

User:

Kim Johnston

Process Sheet

Drawing Name

Part Number

Material

Due Date

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** : 31731

: 10281

P.O. Number

Prsht Rev.

First Issue

Written By

Previous Run

AIL:

This Issue

: 4/12/2007 : NC

S.O. No. : NIA

: MACHINED PARTS Type

: 31655

Checked & Approved By

Comment

: Est Rev:Pick.A

New issue KJ/DS

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description: 17-4 SS Bar

1.0

2:0

M174B2000X01500

Comment: Qty.:

0.4812 f(s)/Unit Total: 3.8497 f(s)

Material: 17-4 SS Bar per AMS 5604/5643

(M17-4-B1.500x02.000) Identify for D3183-043

BAND SAW

Batch: M14579

BAND SAW



Comment: BAND SAW

Cut blanks: (1.500" x 2.000") 5.500" long

3.0

HAAS CNC VERTICAL MACHINING #



Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine D3183-3 as per Folio FA322 and Dwg D3183 Identify as D3183-3

2-Deburr

3-Scribe batch number

INSPECT PARTS AS THEY COME OFF MACHINE

4.0

QC2



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



8

8

Each

8 Um:

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
				<u> </u>					
				1		1	L		

Part No: _	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 07/05/0
			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
DATE	OTED	Description of NC		Corrective Action Section B			Approval	Approval		
DATE	STEP	Section A		Initial Action Description Sign & Chief Eng Chief Eng Date		Verification Section C	Chief Eng	QC Inspecto		
CHOULK	3	piece scrap, y origine was off of 026". sperator error.	asiour	destroy and replace	Or louling	0/04/19	1051042	01/04/19		
						0 1				
	·		·							
		:								

NOTE: Date & initial all entries

Thursday, 4/12/2007 8:46:09 AM Date: Kim Johnston User: **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: BRACKET ASSEMBLY Job Number: 31731 Part Number: D3183043 Job Number: Description: Seq. #: Machine Or Operation: SECOND CHECK 5.0 ${\mathcal B}$ Comment: SECOND CHECK D312121 6.0 2.0000 Each(s)/Unit Total: 16.0000 Each(s) Comment: Qtv.: Pick: **Qty Part Number** Description Batch Bolt B3/117 2 D3121-21 D3183045 7.0 Bearing Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 16.0000 Each(s) Pick: **Qty Part Number** Description Batch X/b 31762 2 D3183-045 Bearing Ass __ SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 ХŠ Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3183-043 as per Dwg D3183. INSPECT WORK TO CURRENT STEP 9.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING PACKAGING RESOURCE #1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 FINAL INSPECTION W/O RELEASE ⁻11.0 Comment: FINAL INSPECTION/W/O RELEASE 1/ Stary 30 Job Completion Page 2 Form: rnrocess

Dart Aerospace Ltd

	. copaso Lia									
W/O:		WORK ORDER CHANGES								
DATE	STEP F		PROCEDURE CHANGE		y Dat	e Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto		
Dord No.		DAD #	Fault Catagory	NCD.	/22 No	DOA:	Data			
Part No		PAR #:	Fault Category:							
				G	A: N/C CI	osed:	Date: _			
NCR:			WORK ORDER NON-COM	IFORMANCE (I	ICR)					
	1				·	· · · · · · · · · · · · · · · · · · ·	T	-,		

	•	WORK ORD	ER NON-CONFORMANO	CE (NCR)			
	Description of NC		Corrective Action Section B				
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspecto
		r					
			•				
	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Section A Initial Action Description Sign & Verification Section C	STEP Description of NC Section A Portion Section B Section B Verification Approval Chief Eng

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	31731
Description: Bracket	Part Number:	D3183-3
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing	Tolerance	Actual	Accept	Reject	Method of	Comments	
Dimension	Toterance	Dimension	7.000		Inspection		
R0.190	+/-0.030	R.188					
R0.063	+/-0.010	R.063					
0.182	+/-0.010	181					
0.070	+/-0.010	.075					
0,100	+/-0.010	101					
Ø0.201 x 0.100	+/-0.010	9201×100	· <u>/_</u>				
0.182	+/-0.010	-184					
5.32	+/-0.030	818.2					
5.036	+/-0.010	3.035					
2.120	+/-0.010	2.120					
1.290	+/-0.010	1.290					
0.365	+/-0.010	. 365					
0.218	+/-0.010	-214					
1.030	+/-0.010	1.030					
1.90	+/-0.030	1.880					
1.012	+/-0.010	1.014					
Ø0.201 x 0.100	+/-0.010	020/X100					
0.182	+/-0.010	./82	/ .				
0.786	+/-0.010	750					
Ø0.392	+0.002/-0.000	0392					
R0.19	+/-0.030	R.188					
3.954	+/-0.010	7,953					
0.162	+/-0.010	162					
R0.19	+/-0.030	R.188				٠,	
R0.25	+/-0.030	R.25					
4.26	+/-0.030	4.263				,	
2.080	+/-0.030	2.08		,			
1.155	+/-0.010	1.155					
0.162	+/-0.010	-162					
0.36	+/-0.030	- 3.6					
. 0.615	+/-0.010	.620					
0.435	+/-0.010	.436	/				
0.200	+/-0.010	. 200	1				
0.381	+/-0.010	370	/				
0.032	+/-0.010	.030	/				

Measured by:	Audited by:	Prototype Approval:	N/A
Date: 01.04.17	Date: 3 6417	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	03.11.12	New Issue P/O D3183-043	KJ/RF	
В	04.03.15	Changes as per revision C	KJ/JLM/RF	1
С	06.03.09	Dwg Rev update	KJ/JLM	

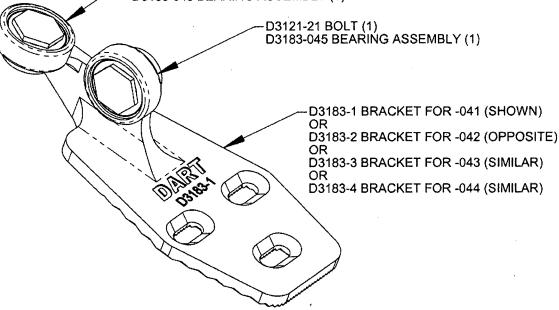




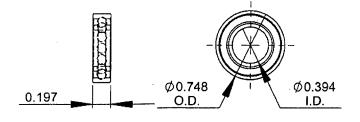
	DESIGN		DRAWN BY	DART AEROSPACE L HAWKESBURY, ONTARIO, CANA		
١	CHECKED		APPROVED	DRAWING NO.	REV. C	
,		#	#	D3183	SHEET 1 OF 4	
	DATE			TITLE	SCALE	
	04.02.17		2.17	BRACKET ASSEMBLY	1:1	
	B 03.06.17 C 04.02.17		3.01.24	NEW ISSUE		
			3.06.17	REMOVE BEARING; 1.012 WS 0.882		
			4.02.17	ADD -045/-9; 0.182 WAS 0.431		
			04.11.09	0.830 WAS 0.850		

RELEASE [

D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-041 BRACKET ASSEMBLY (SHOWN D3183-042 BRACKET ASSEMBLY (OPPOSITE D3183-043 BRACKET ASSEMBLY (SIMILAR) D3183-044 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE,
- CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

0.052 ±0.005 ≠0.005 Ø 0.394 0.000 I.D ϕ 0.600 O.D.

D3183-7 WASHER

SHOP COPY 1) MATERIAL: AISI 303 ROUND BAR (M303E) RING

ANNEALED

ANNEALED

ENGINEERING

2) BREAK ALL SHARP EDGES 0,005/1016/01d ED COPY

3) TOLERANCES ARE PER DART OSL 0140 AMENDMENT

UNLESS OTHERWISE NOTED

UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHESWITHOUT NOTICE

WORK ORDER

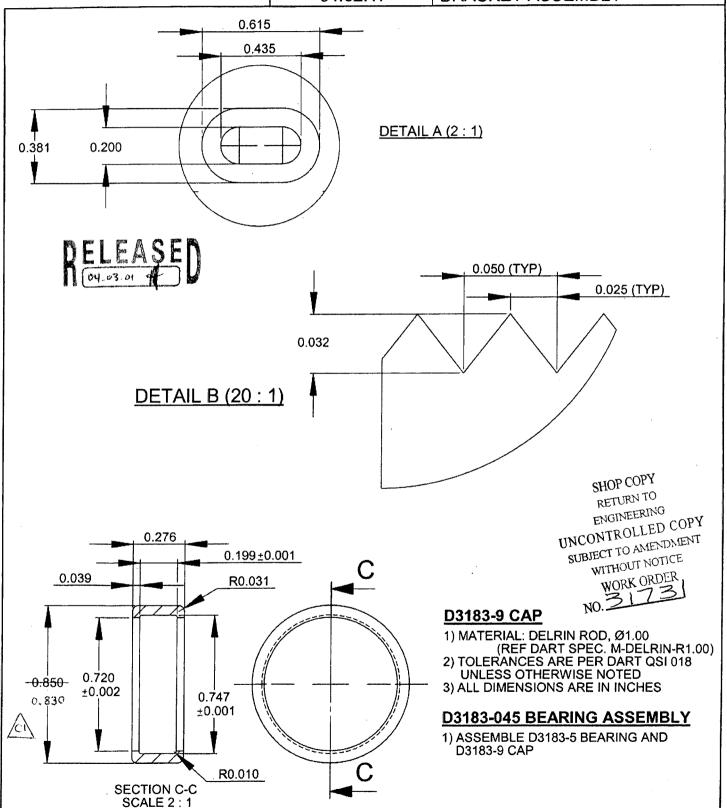
COPYRIGHT © 2003 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.





	DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
	CHECKED	APPROVED	DRAWING NO.	REV. C	
1	4		D3183	SHEET 4 OF 4	
	DATE		TITLE	SCALE	
	04.0	02.17	BRACKET ASSEMBLY	1:1	



COPYRIGHT © 2003 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

